

Resource Summary Report

Generated by ASWG on Aug 2, 2026

RAMA

RRID:SCR_001358

Type: Tool

Proper Citation

RAMA (RRID:SCR_001358)

Resource Information

URL: <http://www.bioconductor.org/packages/release/bioc/html/rama.html>

Proper Citation: RAMA (RRID:SCR_001358)

Description: Software package for robust estimation of cDNA microarray intensities with replicates. It uses a Bayesian hierarchical model for the robust estimation. Outliers are modeled explicitly using a t-distribution, and the model also addresses classical issues such as design effects, normalization, transformation, and nonconstant variance.

Abbreviations: RAMA

Synonyms: Robust Analysis of MicroArrays

Resource Type: software resource

Keywords: microarray, preprocessing

Availability: GNU General Public License, v2 or newer

Resource Name: RAMA

Resource ID: SCR_001358

Alternate IDs: OMICS_01982

Record Creation Time: 20220129T080207+0000

Record Last Update: 20260801T190128+0000

Ratings and Alerts

No rating or validation information has been found for RAMA.

No alerts have been found for RAMA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 64 mentions in open access literature.

Listed below are recent publications. The full list is available at [ASWG](#) .

Gunn KH, et al. (2025) Cryogenic electron tomography reveals helical organization of lipoprotein lipase in storage vesicles. *Science advances*, 11(32), eadx8711.

Schmidtman K, et al. (2025) Ames Assay Transferred from the Microtiter Plate to the Planar Assay Format. *Journal of xenobiotics*, 15(3).

Shapcott KA, et al. (2025) DomeVR: Immersive virtual reality for primates and rodents. *PloS one*, 20(1), e0308848.

Du Y, et al. (2025) Scarless excision of an insertion sequence in the OmpK36 promoter restores meropenem susceptibility in a non-carbapenemase-producing *Klebsiella pneumoniae*. *Emerging microbes & infections*, 14(1), 2503922.

Zhao X, et al. (2025) RamA upregulates the ATP-binding cassette transporter mlaFEDCB to mediate resistance to tetracycline-class antibiotics and the stability of membranes in *Klebsiella pneumoniae*. *Microbiology spectrum*, 13(2), e0172824.

Akama Y, et al. (2025) A novel molecule targeting neutrophil-mediated B-1a cell trogocytosis attenuates sepsis-induced acute lung injury. *Frontiers in immunology*, 16, 1597887.

Li Y, et al. (2025) Re-identification assistance and multi-stage association for pedestrian multi-object tracking. *Scientific reports*, 15(1), 22533.

Youssef EG, et al. (2025) In Silico Design of a Multiepitope Vaccine Against Intestinal Pathogenic *Escherichia coli* Based on the 2011 German O104:H4 Outbreak Strain Using Reverse Vaccinology and an Immunoinformatic Approach. *Diseases (Basel, Switzerland)*, 13(8).

Yang S, et al. (2024) Inferring language dispersal patterns with velocity field estimation. *Nature communications*, 15(1), 190.

Heredia AG, et al. (2024) Regulation of the SOS response and homologous recombination by an integrative and conjugative element. *bioRxiv : the preprint server for biology*.

Shetty S, et al. (2024) Immunoinformatics design of a multi-epitope vaccine for *Chlamydia trachomatis* major outer membrane proteins. *Scientific reports*, 14(1), 29919.

Layek U, et al. (2024) Floral visitors of sesame (*Sesamum indicum* L.): Elucidating their nectar-robbing behaviour and impacts on the plant reproduction. *PloS one*, 19(4), e0300398.

Middlemiss AD, et al. (2023) Mapping direct and indirect MarA/SoxS/Rob/RamA regulons in Salmonella Typhimurium reveals repression of csgD and biofilm formation. Microbiology (Reading, England), 169(5).

Hameed AR, et al. (2023) Structural Dynamics of P-Rex1 Complexed with Natural Leads Establishes the Protein as an Attractive Target for Therapeutics to Suppress Cancer Metastasis. BioMed research international, 2023, 3882081.

Basmenj ER, et al. (2023) Engineering and design of promising T-cell-based multi-epitope vaccine candidates against leishmaniasis. Scientific reports, 13(1), 19421.

Bhatta S, et al. (2023) Home environmental change for child injury prevention in Nepal: A qualitative study. Journal of child health care : for professionals working with children in the hospital and community, 27(3), 323.

Zhou M, et al. (2023) Extracellular CIRP dysregulates macrophage bacterial phagocytosis in sepsis. Cellular & molecular immunology, 20(1), 80.

Li J, et al. (2023) Insights into pyrrolysine function from structures of a trimethylamine methyltransferase and its corrinoid protein complex. Communications biology, 6(1), 54.

Cheng YC, et al. (2023) The Impact of a Lockdown for the COVID-19 Pandemic on Seasonal HbA1c Variation in Patients with Type 2 Diabetes. Life (Basel, Switzerland), 13(3).

Shettima A, et al. (2023) Quantitative proteomics analysis of permethrin and temephos-resistant Ae. aegypti revealed diverse differentially expressed proteins associated with insecticide resistance from Penang Island, Malaysia. PLoS neglected tropical diseases, 17(9), e0011604.